

MULTIDIMENSIONAL ELECTROPHORESIS AND METHODS OF MAKING AND USING THEREOF

Abstract

Disclosed herein are multidimensional electrophoresis devices and methods of using thereof. The multidimensional electrophoresis devices comprise short microchannels having lengths of less than about 1 millimeter to about 5 centimeters. The microchannels may comprise solid sieving medium having different sieving characteristics. IEF and PAGE, including SDS-PAGE and native PAGE, using the multidimensional electrophoresis devices takes only a few minutes or less to perform.